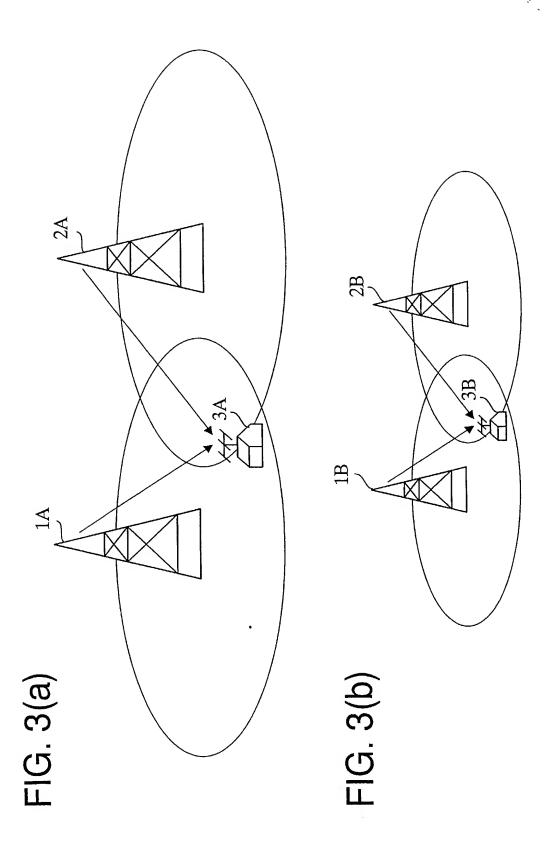


DESIRED SIGNAL	SO	19	S1	G2	S2
		2			
DELAY SIGNAL	SO	l9	S1	62	\$2
		PERIOD A	⋖	PERIOD B	9 B
			PERIOD C	_	
		_	FIG. 2	-	



MODE		<b>,</b> —				2				3		
EFFECTIVE SYMBOL PERIOD LENGTH(μ SEC)		25	252			504	14			1008	38	
GUARD PERIOD RATIO	1/32	1/16	1/8	1/4	1/32	1/16	1/8	1/4	1/32 1/16 1/8 1/4 1/32 1/16 1/8 1/4 1/32 1/16 1/8 1/4	1/16	1/8	1/4
GUARD PERIOD LENGTH (µ SEC)	7.875	7.875 15.75	31.5	63	15.75	31.5	63	126	31.5	63	126	252

FIG. 4

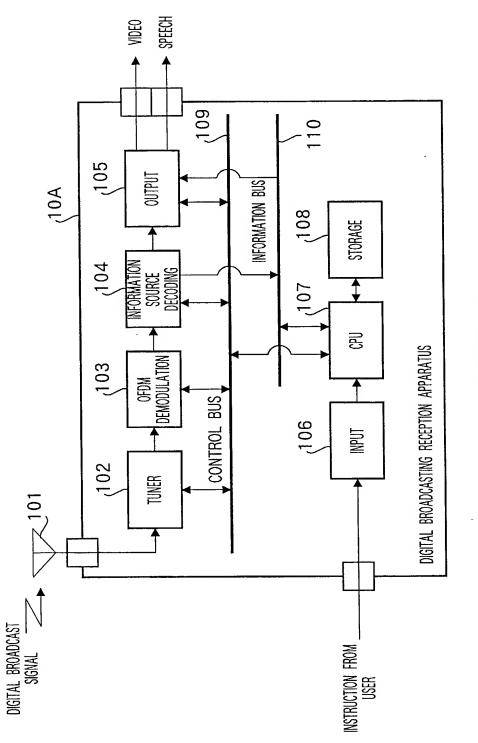
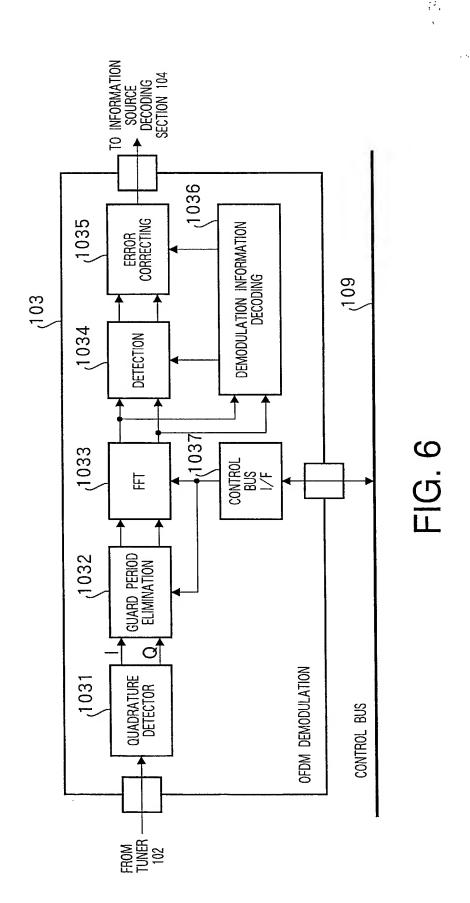


FIG. 5



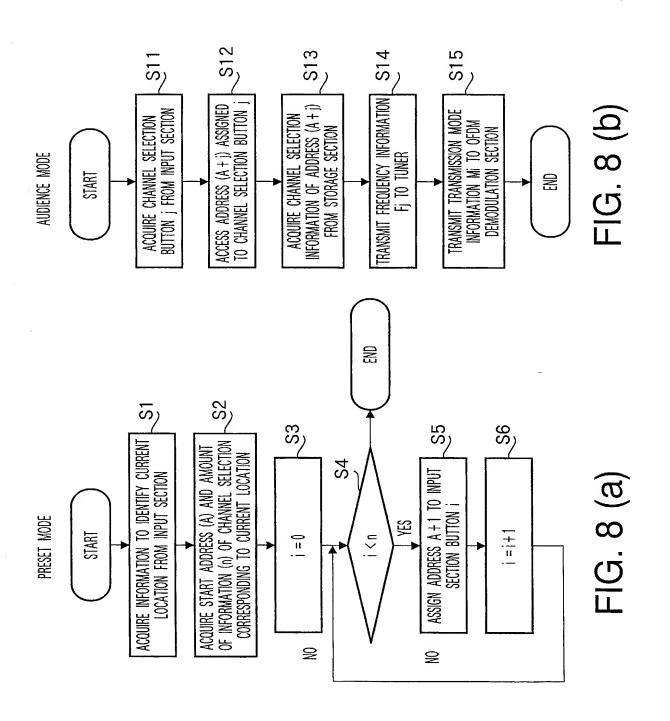
## TMCC INFORMATION

BIT ASSIGNMENT		DESCRIPTION						
B20~B21	\$	YSTEM DESCRIPTION						
B22~B25	TRANSMISSION	PARAMETER SWITCHING INDEX						
B26	EMERGENCY AL	ARM BROADCASTING START FLAG						
B27		PARTIAL RECEPTION FLAG						
B28~B40	CHIDDENT INFORMATION	LAYER A TRANSMISSION PARAMETER INFORMATION						
B41~B53	CURRENT INFORMATION	LAYER B TRANSMISSION PARAMETER INFORMATION						
B54~B66		LAYER C TRANSMISSION PARAMETER INFORMATION						
B67		PARTIAL RECEPTION FLAG						
B68~B80	NEXT INFORMATION	LAYER A TRANSMISSION PARAMETER INFORMATION						
B81~B93	INEAT INFUNIVATION	LAYER B TRANSMISSION PARAMETER INFORMATION						
B94~B106		LAYER C TRANSMISSION PARAMETER INFORMATION						
B107~B121 -		RESERVED						

## TRANSMISSION PARAMETER INFORMATION

DESCRIPTION	NUMBER OF BITS
CARRIER MODULATION SYSTEM	3
CONVOLUTIONAL CODING RATE	3
INTERLEAVE LENGTH	3
NUMBER OF SEGMENTS	4

FIG. 7



	INPUT SECTION BUTTON	BUTTON	0`		2	i i	-			
	, ,			1					1.1	
DATA			TRANSMISSION MODE INFORMATION MO	TRANSMISSION MODE INFORMATION M1	TRANSMISSION MODE INFORMATION M2	• •	••	TRANSMISSION MODE INFORMATION M(n-1)		0 5
			FREQUENCY INFORMATION FO	FREQUENCY INFORMATION F1	FREQUENCY INFORMATION F2	••	•	FREQUENCY INFORMATION F(n - 1)		
ADDRESS			A	A+1	A+2	• • •	•	A +(n – 1)		-

CONTENT OF STORAGE SECTION

. G .9

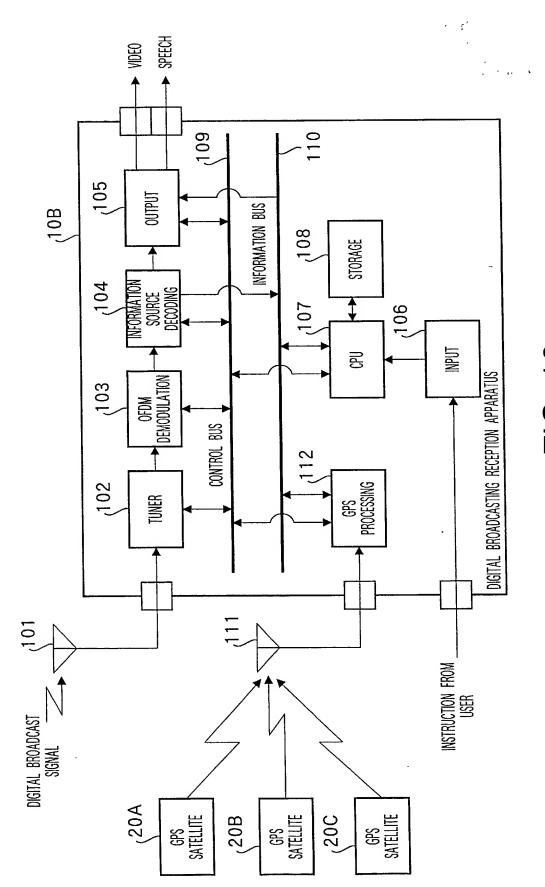


FIG. 10

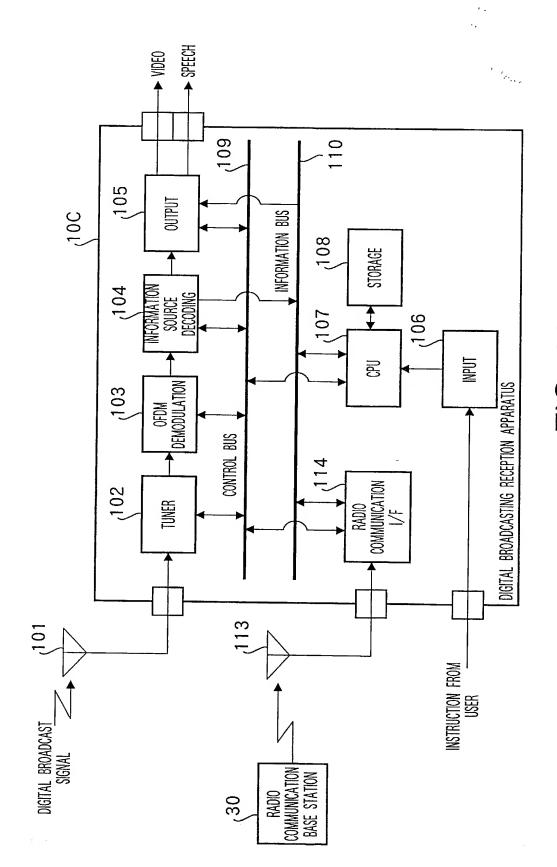
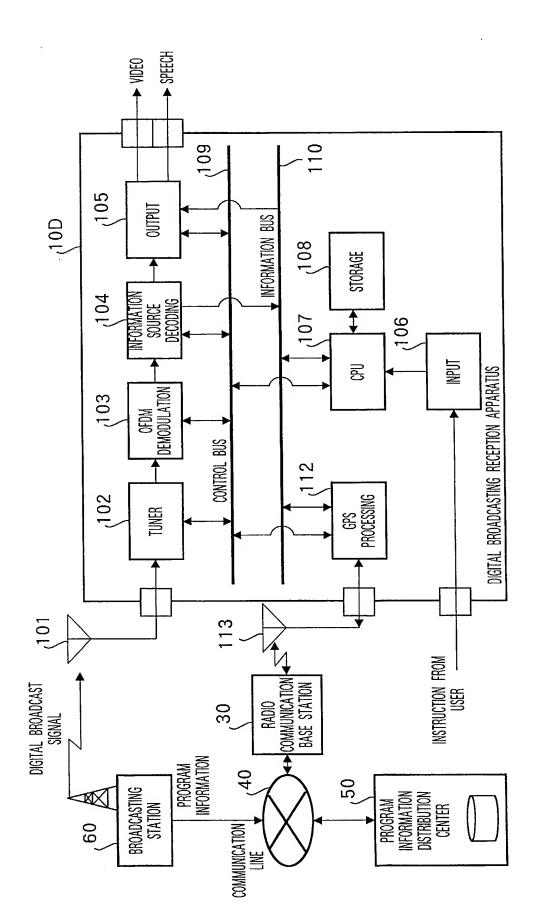


FIG. 11



()

FIG. 12

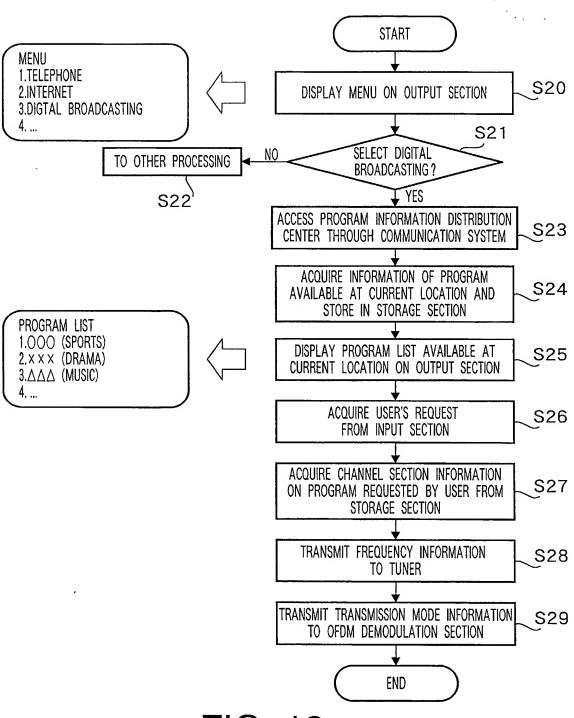
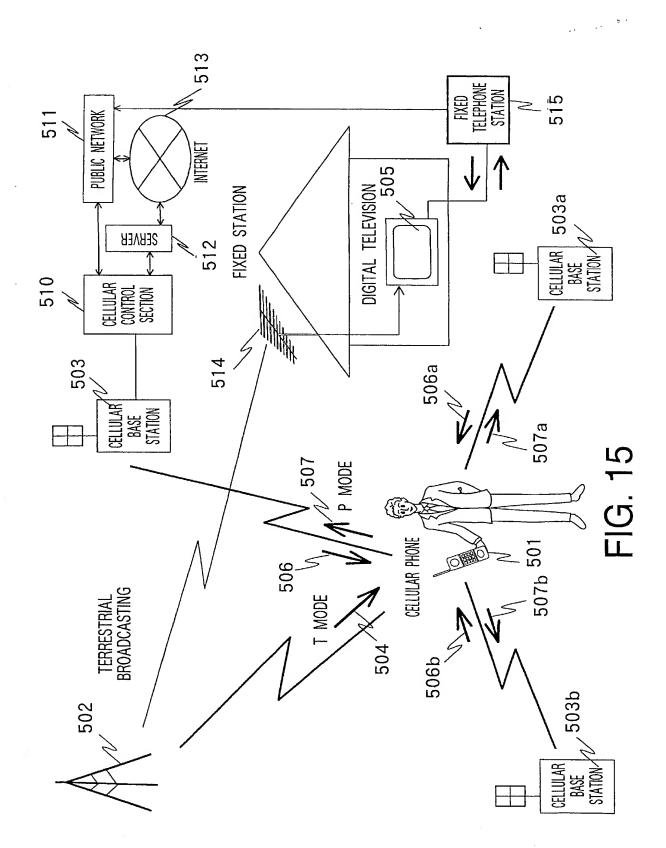


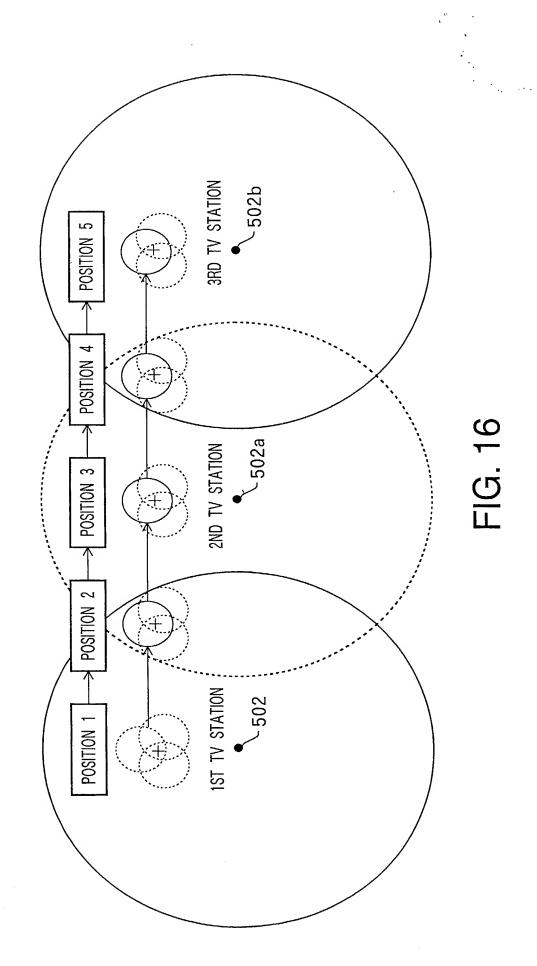
FIG. 13

CONTENT OF PROGRAM INFORMATION

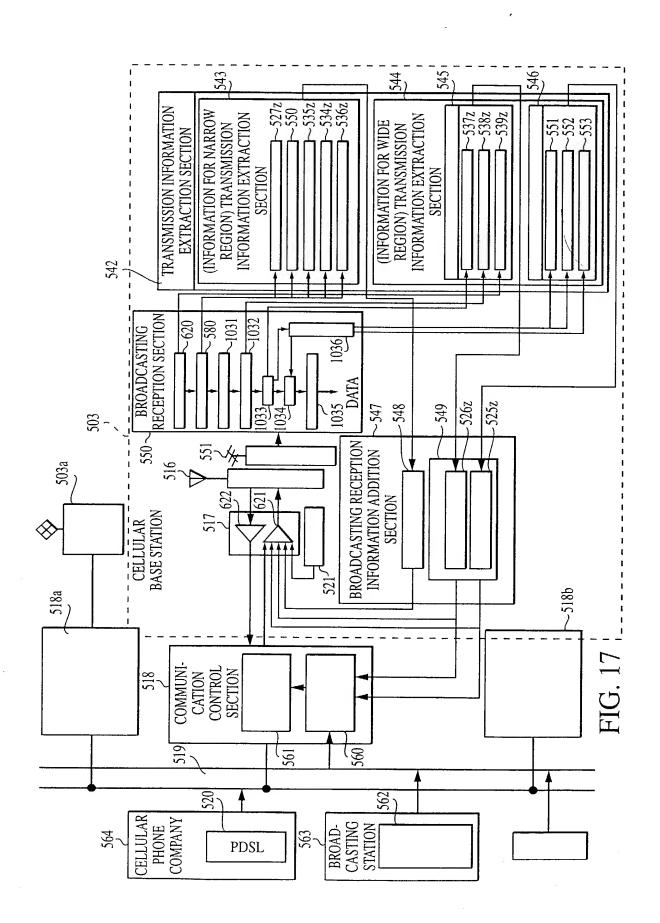
<del></del>					
TIME INFORMATION	END TIME	Te0	Te1	Te2	••••
TIME INFO	START TIME	Ts0	Ts1	Ts2	••••
CHANNEL SELECTION INFORMATION	TRANSMISSION INFORMATION	MO	M1	M2	•••
CHANNEL	FREQUENCY INFORMATION	F0	F1	F2	••••
CONTENTS INFORMATION	GENRE	SPORTS	DRAMA	MUSIC	••••
CONTENTS II	TITLE	000	× × ×	$\triangle \triangle \triangle$	••••

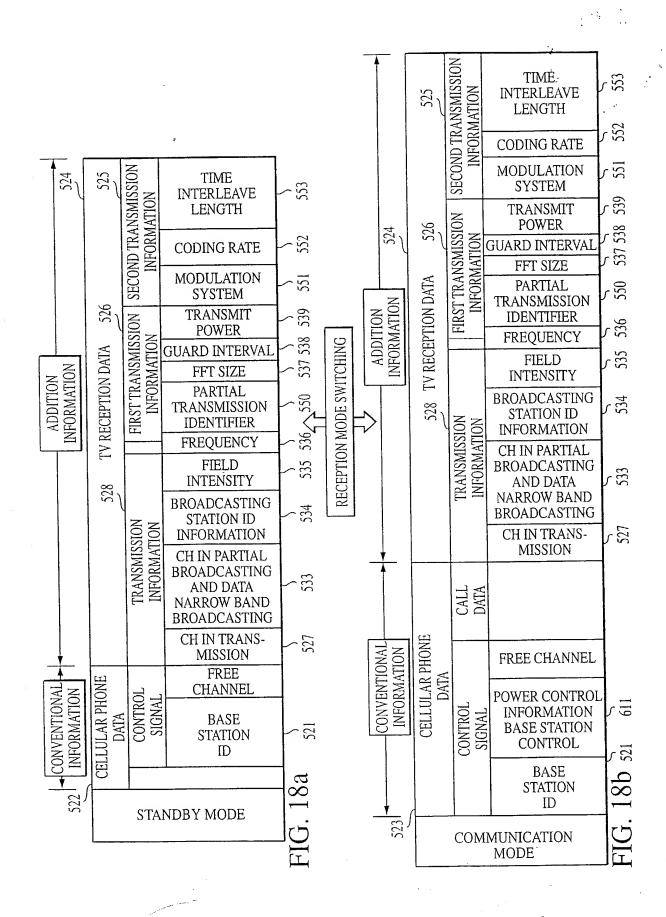
FIG. 14

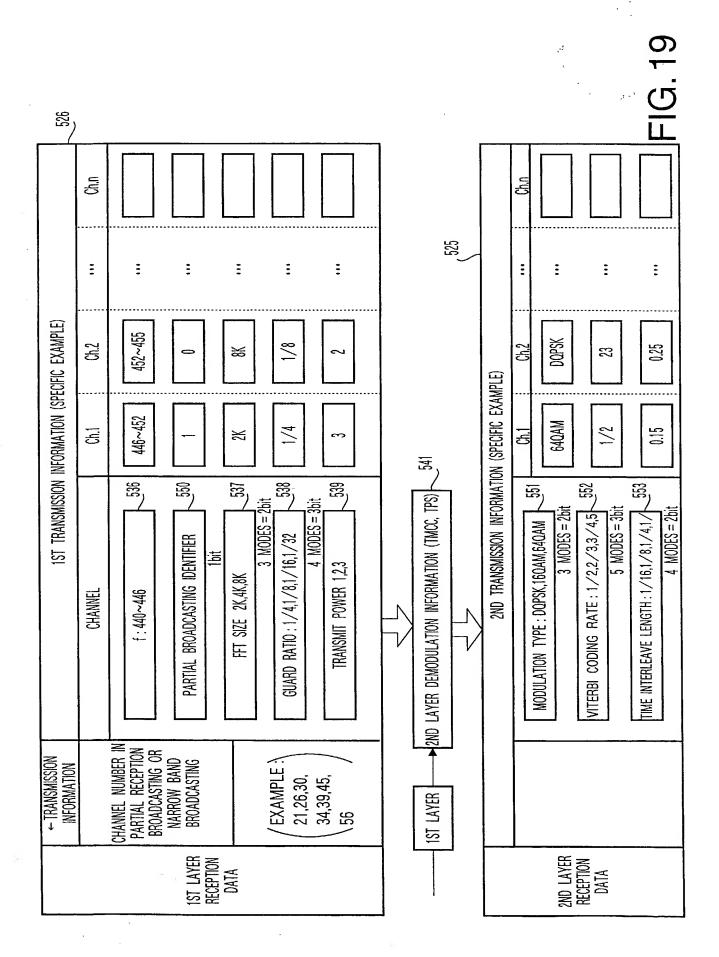


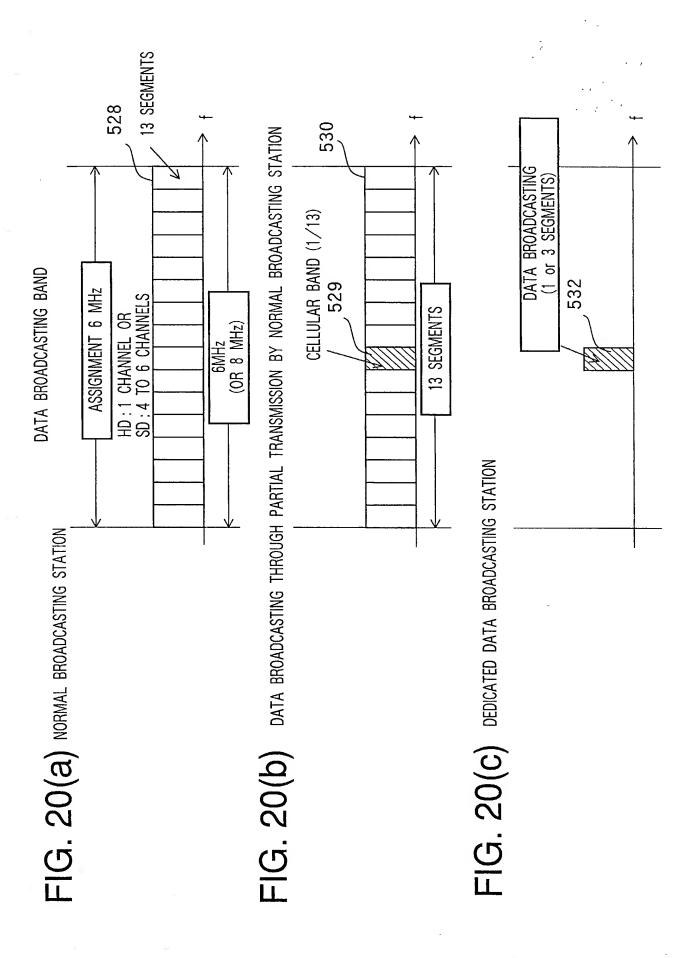


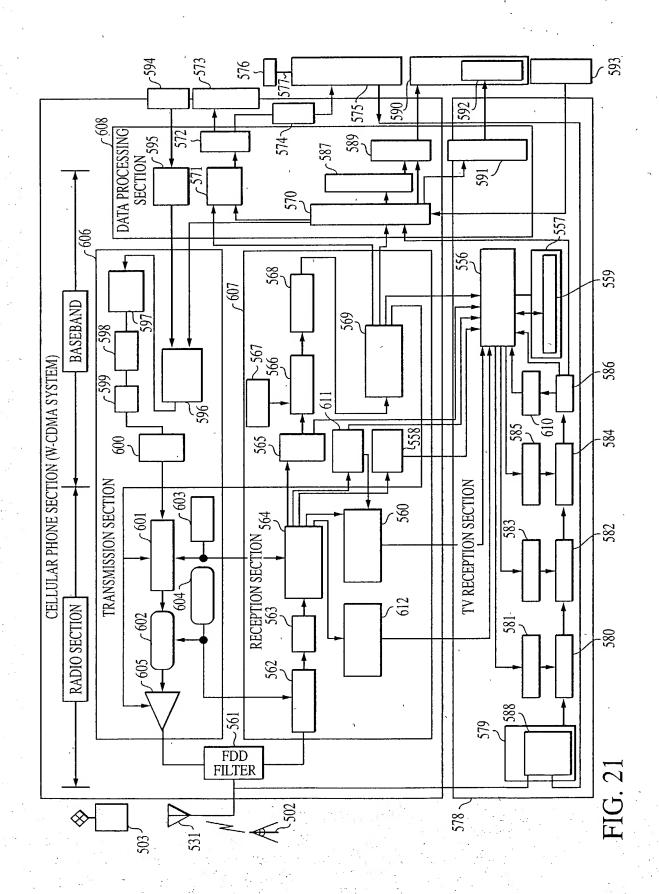
No.



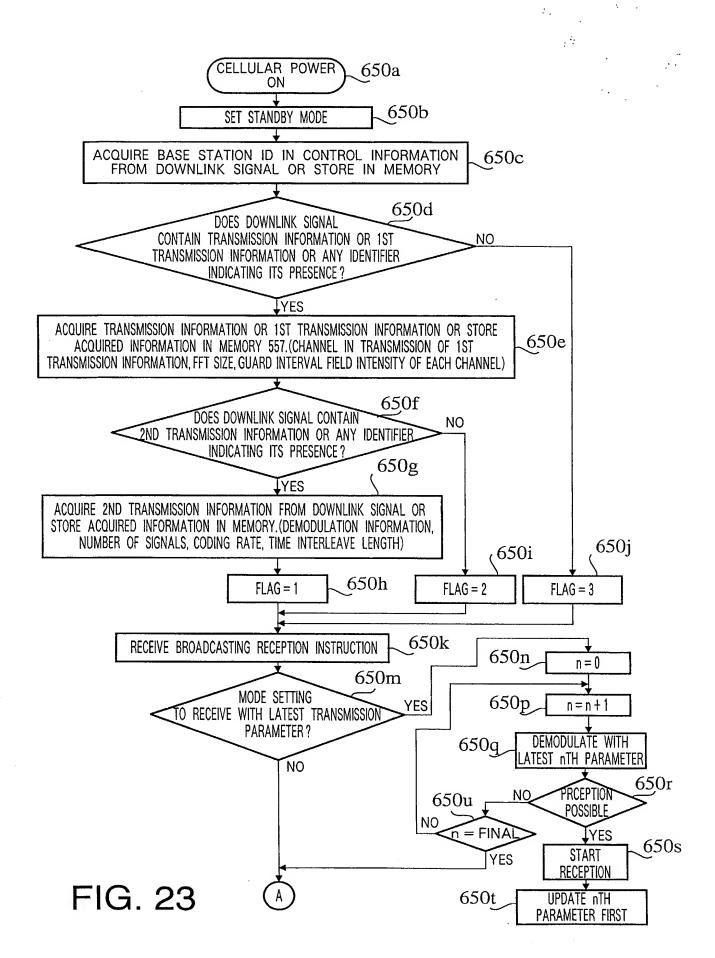


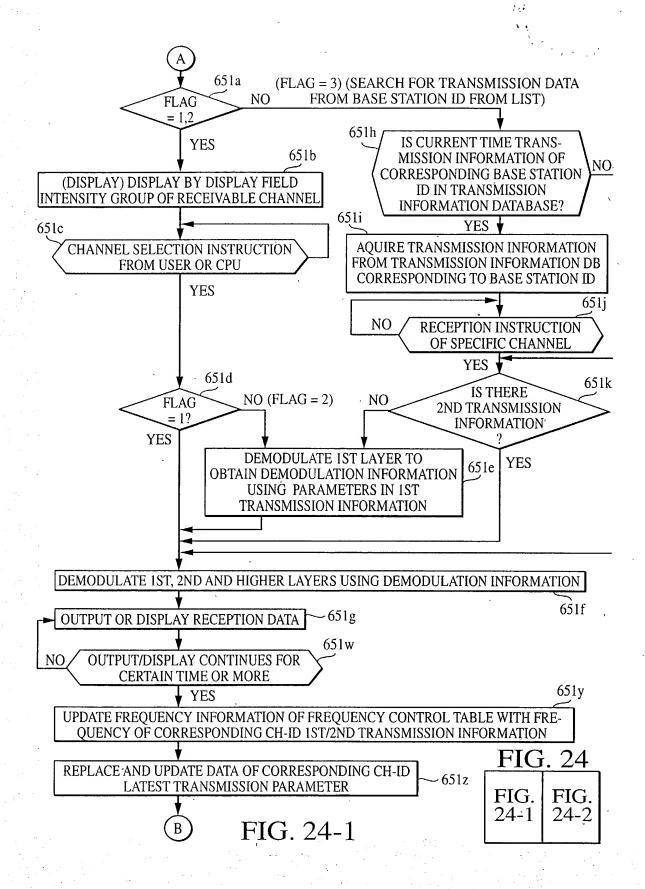


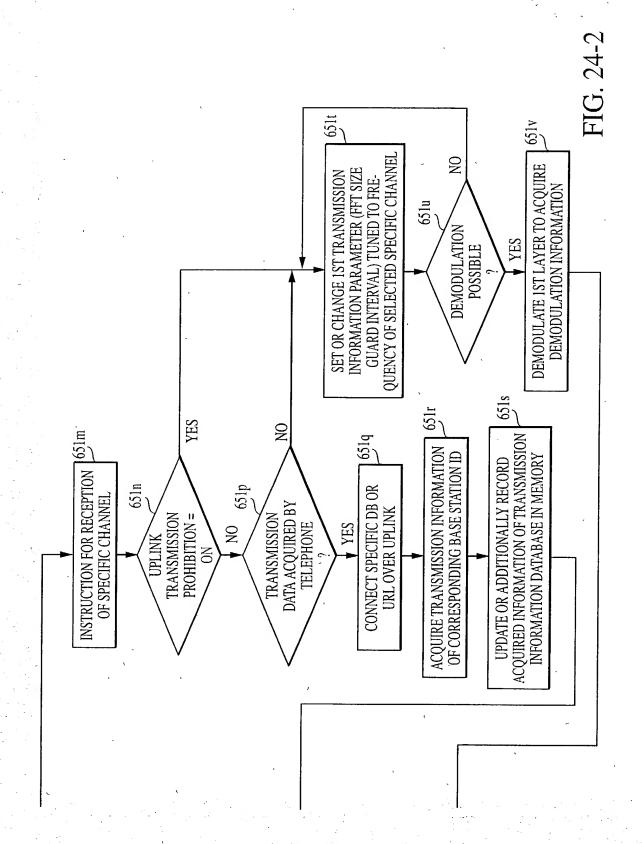


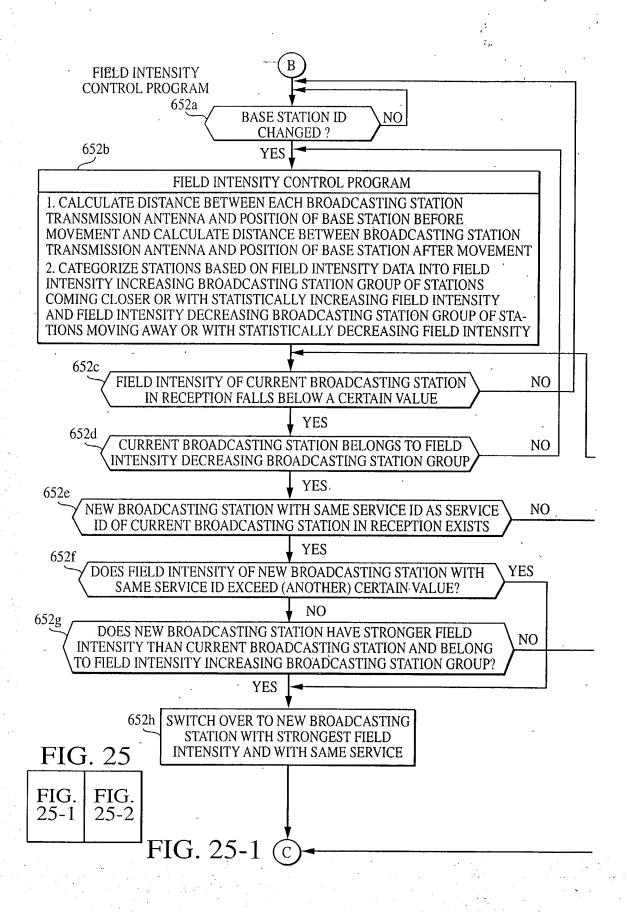


	-												
613	ATION TABLE	3RD LATEST			- 14-1	<b>-</b> 14-1		,					٠
616	LATEST OPERATION TIME CONTROL TABLE	2ND LATEST	►[4-]			14-1 —					,		
615	LATES TIME O	LATEST	14-1-		14-1								
614		FREQUENCY INFORMATION	9.0			0.3			,			,	
69	Ϋ́	3RD CH-ID	4-3			149							•
9	OPERATING FREQUENCY CONTROL TABLE	FREQUENCY INFORMATION	0.8		5.0				,				
	G FRE	2ND CH-ID	24-2		14-1				`				
N FILE	ERATIN	FREQUENCY INFORMATION	1.5										
ATTTER 10 10 OP	g)	1ST CH-ID	14-1	26-1									
ATION P		OVERALL OPERATING FREQUENCY		,									FIG. 22
TRANSMISSION INFORMATION PATTERN FILE 525	2ND TRANSMISSION INFORMATION	TIME INTERLEAVE LENGTH	0.25	0.5	0.125	0.5		-					FIC
ussion 525	TRANSI IFORMA	CODING RATE	1/2	9/9	2/3	2/3					,		
RANSM	ZND T	MODULATION SYSTEM	DQPSK	64QAM	16QАМ	DQPSK	64QАМ						
555 J	21	ND PATTERN NUMBER		2	3	4	5	1	1	I	ı	16	16 4BIT
	NC	OPERATING FREQUENCY											
526	IST TRANSMISSION INFORMATION	PARTIAL BROADCASTING IDENTIFIER	-	0	-				, 	,			
	IST TR. INFO	GUARD RATIO	1/8	1/32	1/16	1/16						0	
		FFT SIZE	2K	4K	8K	4K							_
554	IST PA	TTERN NUMBER		2	3	4		•	•	•	·	16	16 4BIT
		RALL PATTERN IBER EXAMPLE			* .		-			1		16x16 MODES	8BIT = 1BYTE









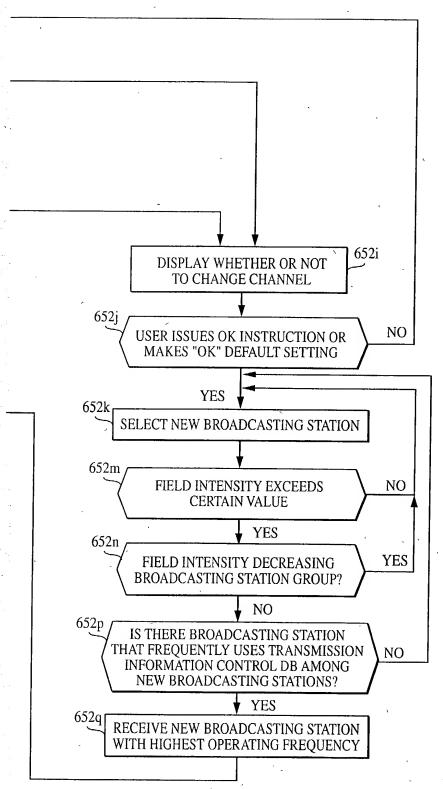
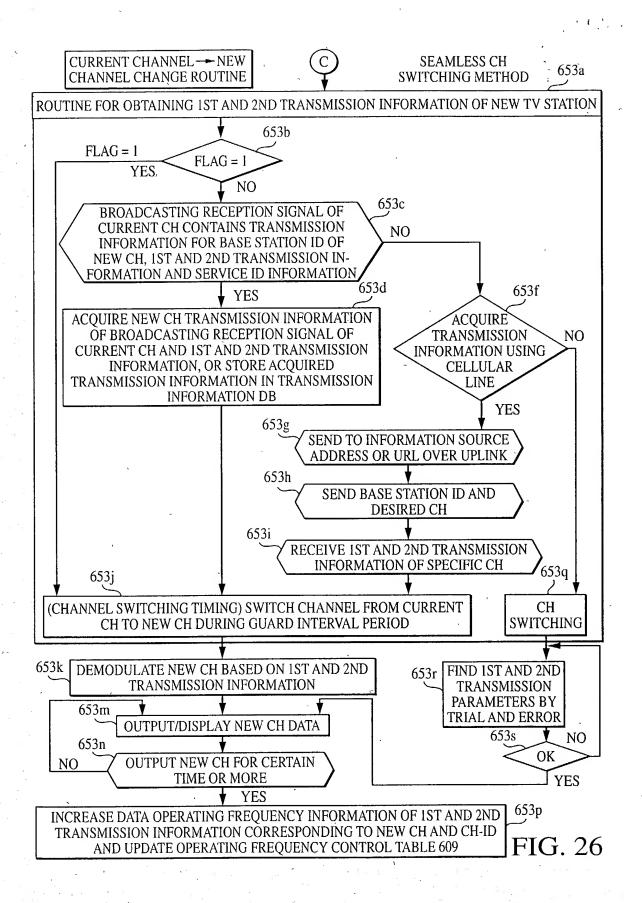


FIG. 25-2



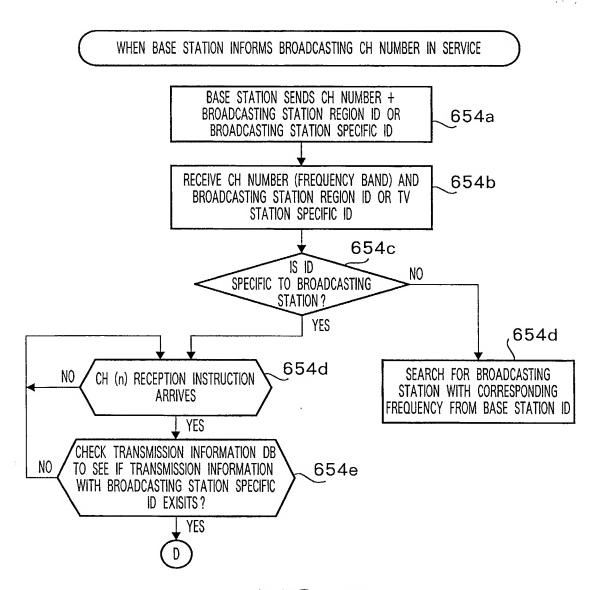
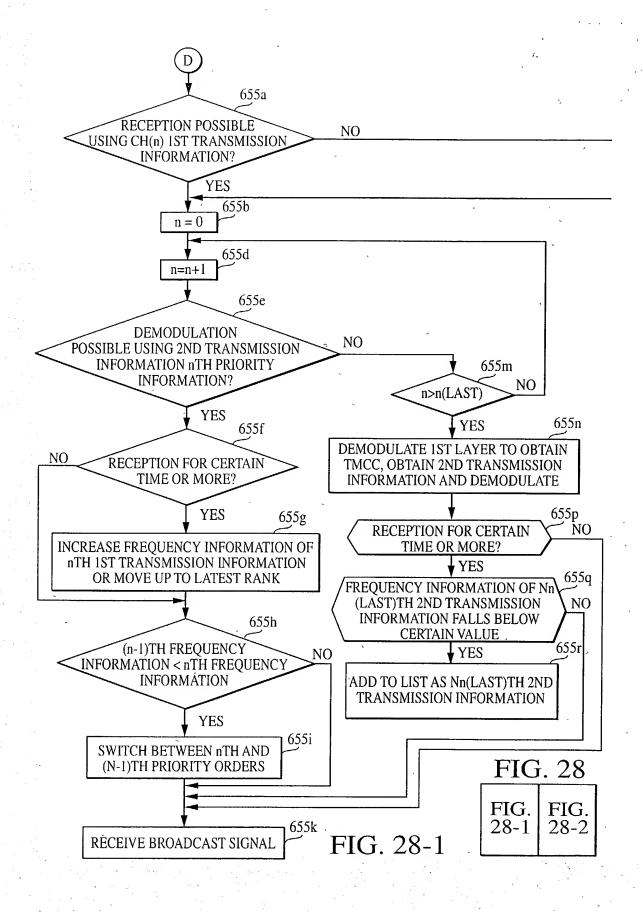
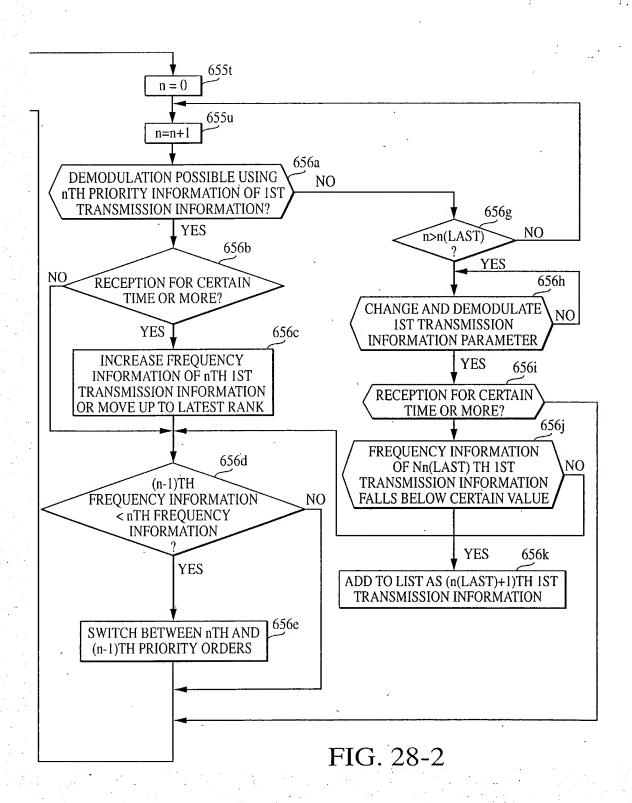


FIG. 27





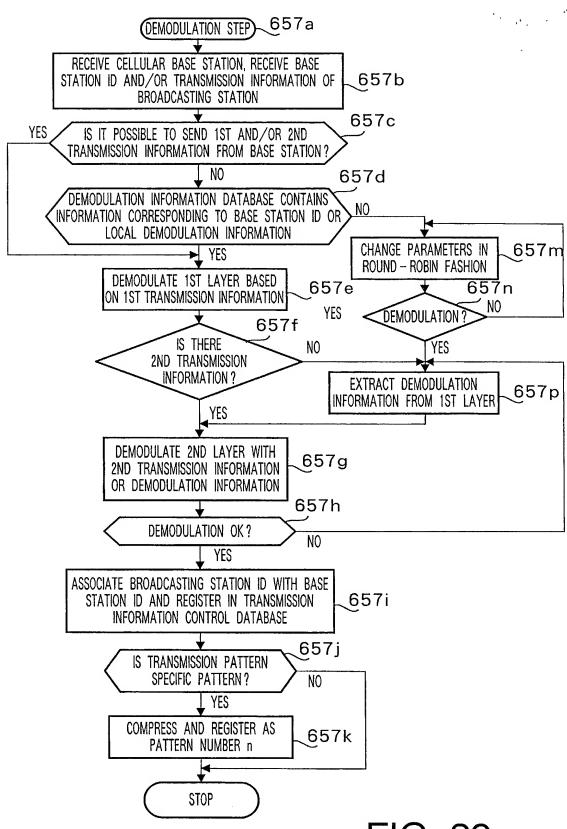
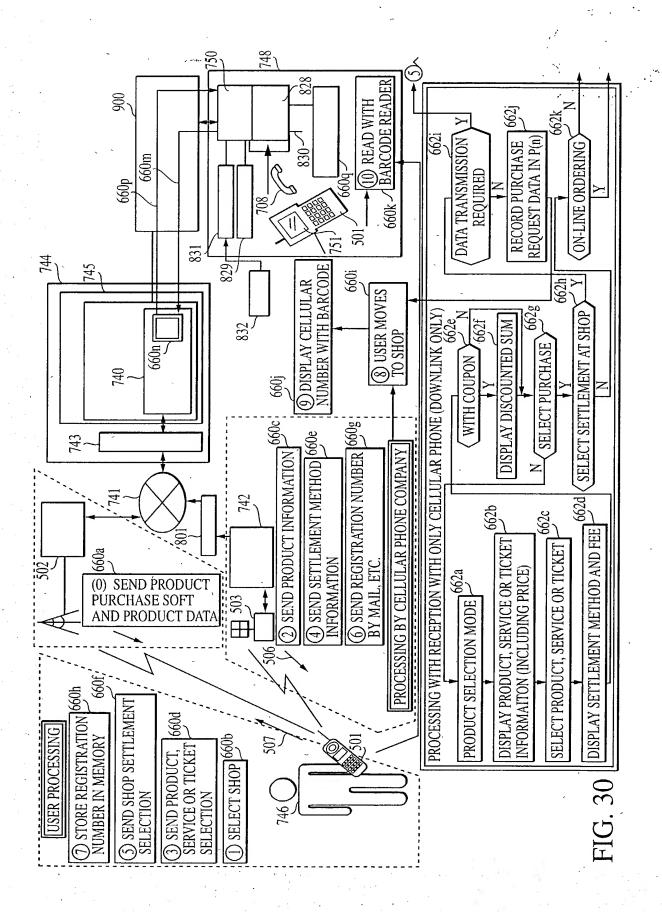


FIG. 29



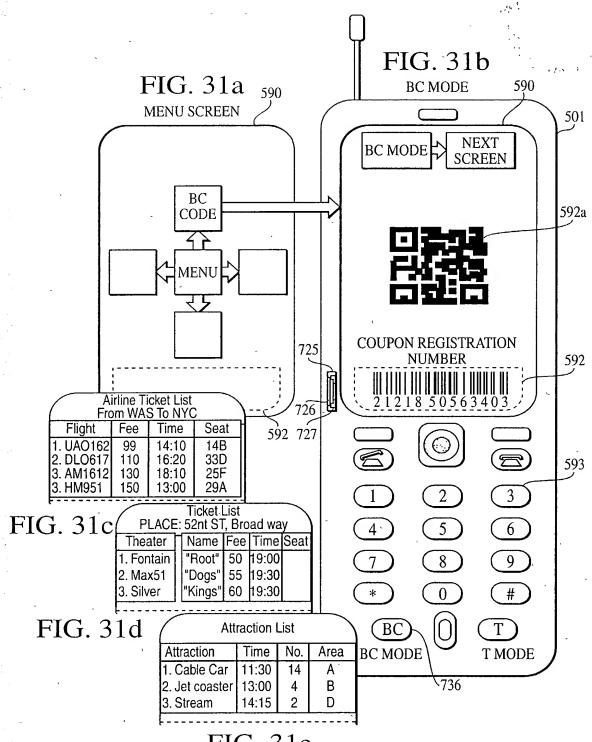
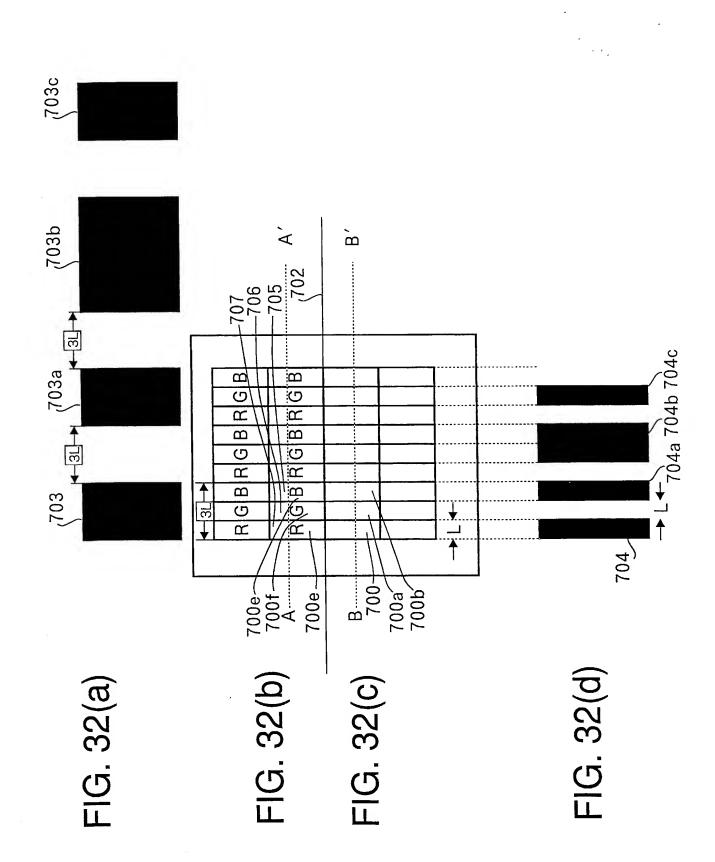
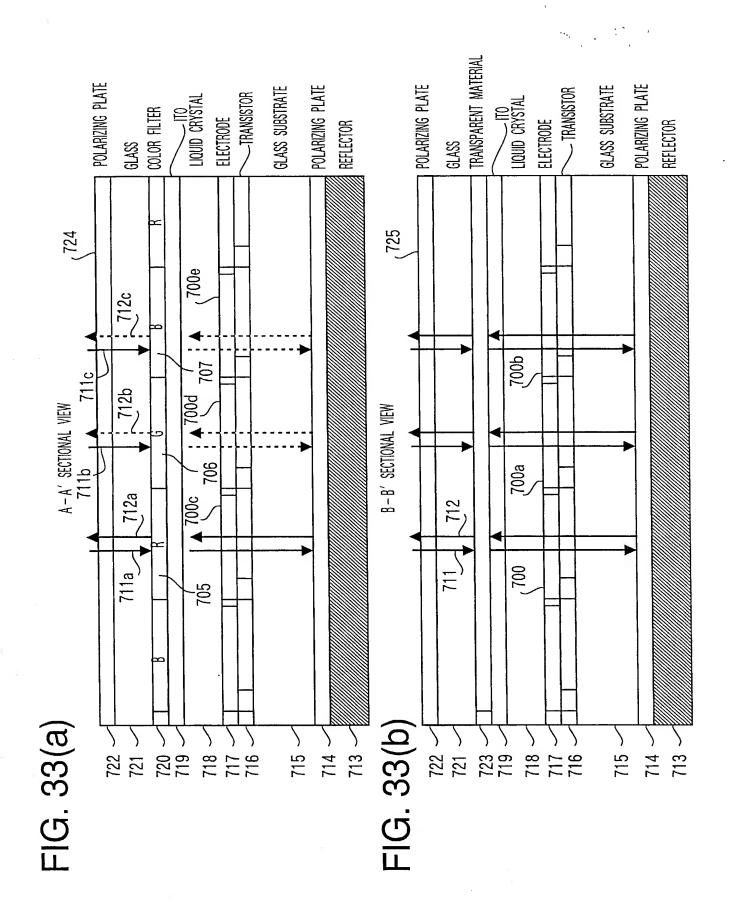


FIG. 31e





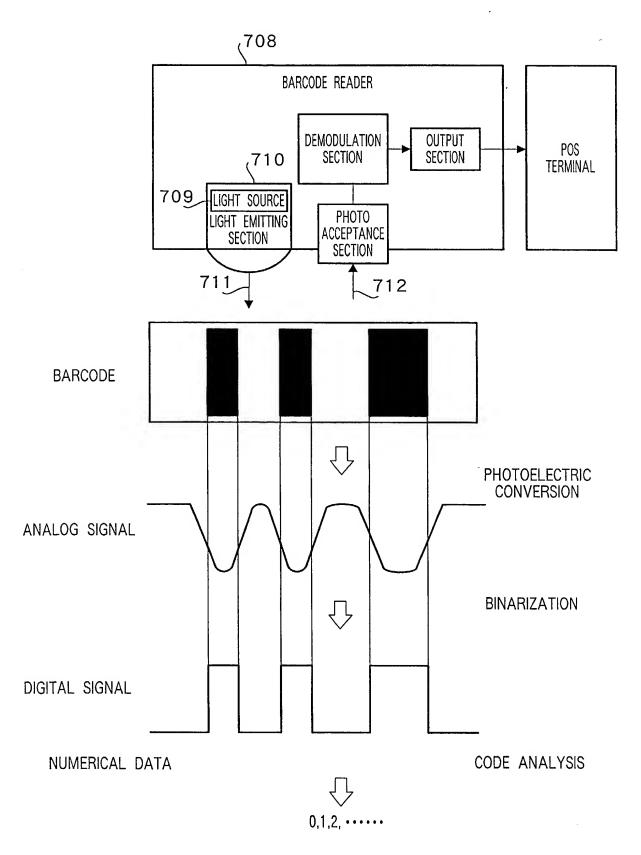


FIG. 34

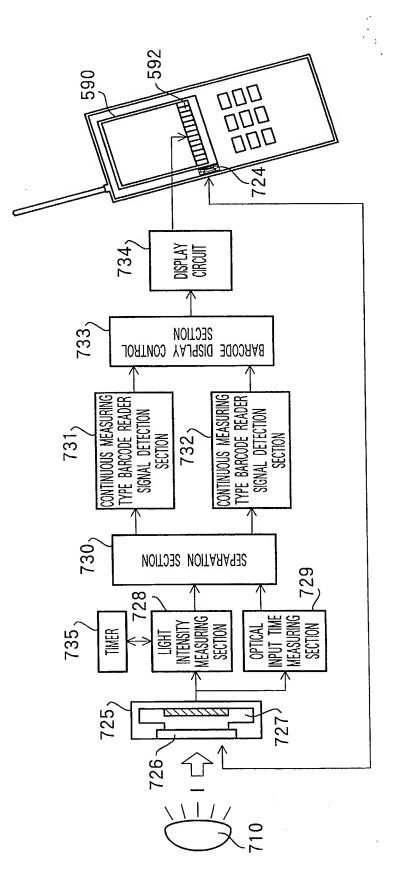


FIG. 35

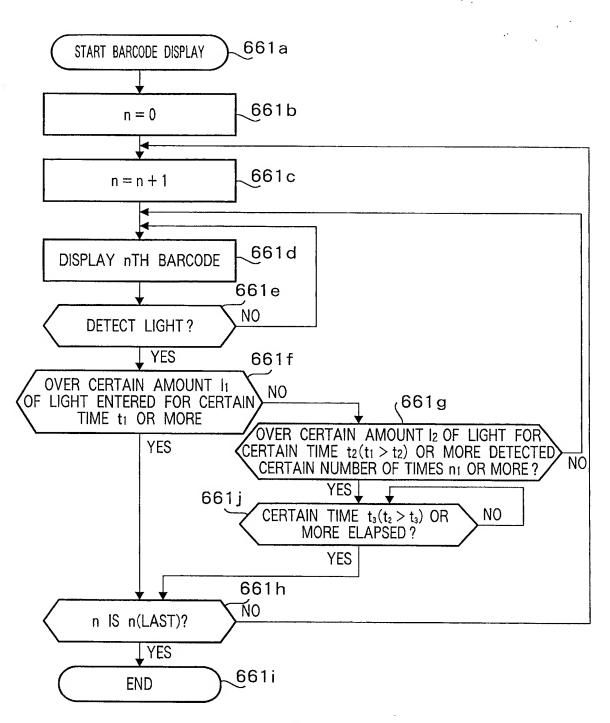
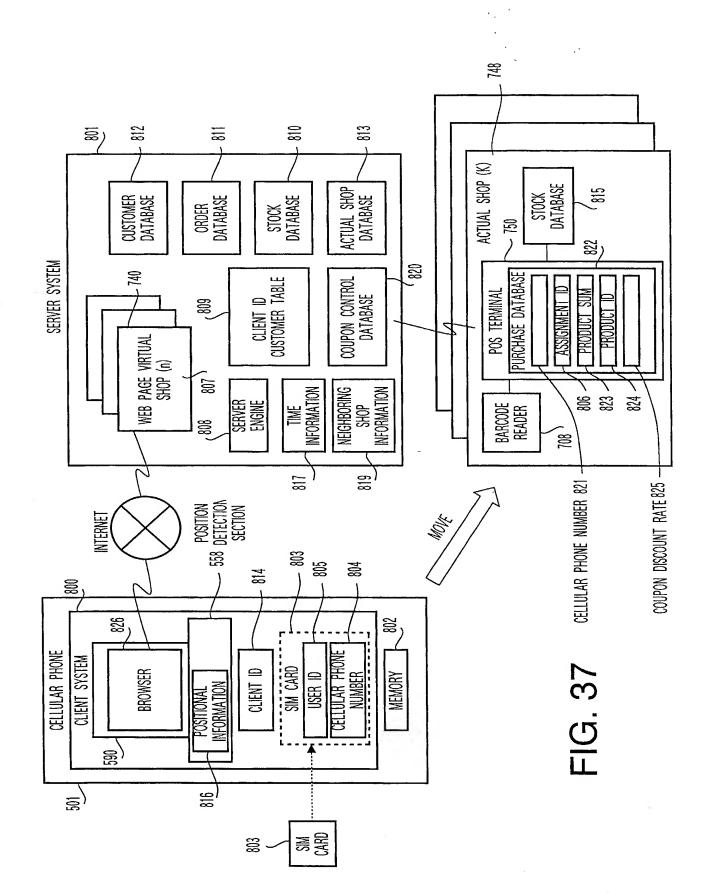
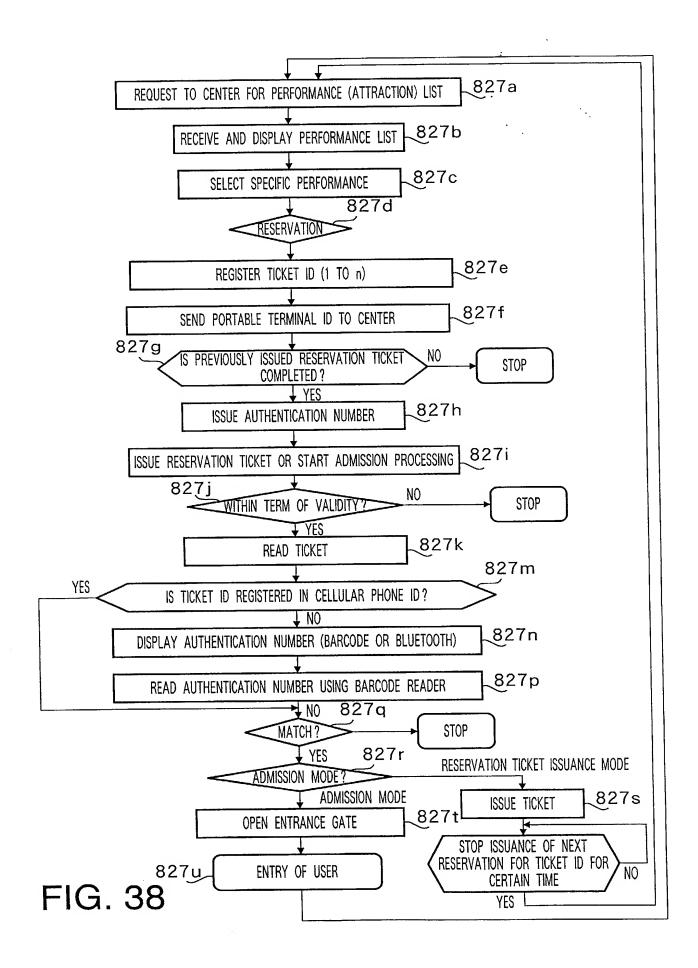
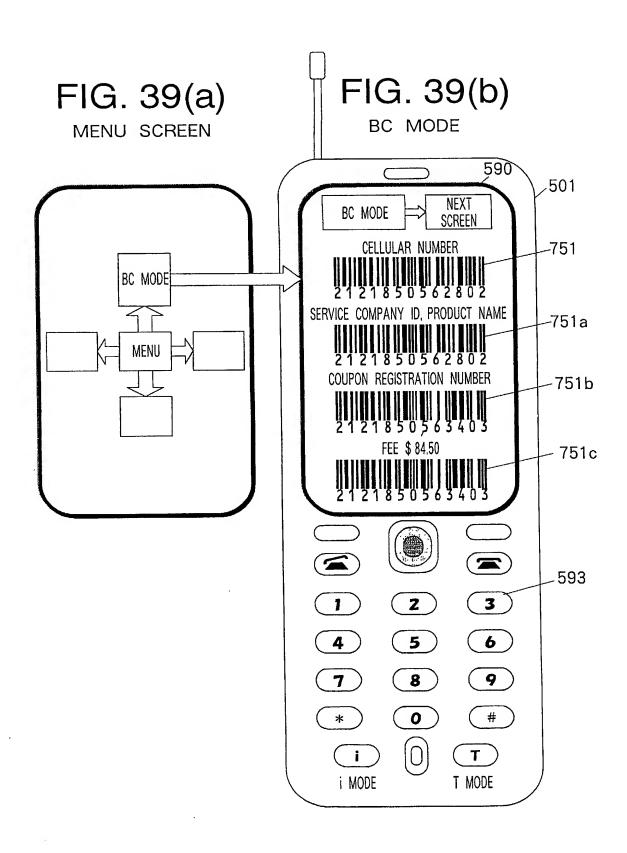
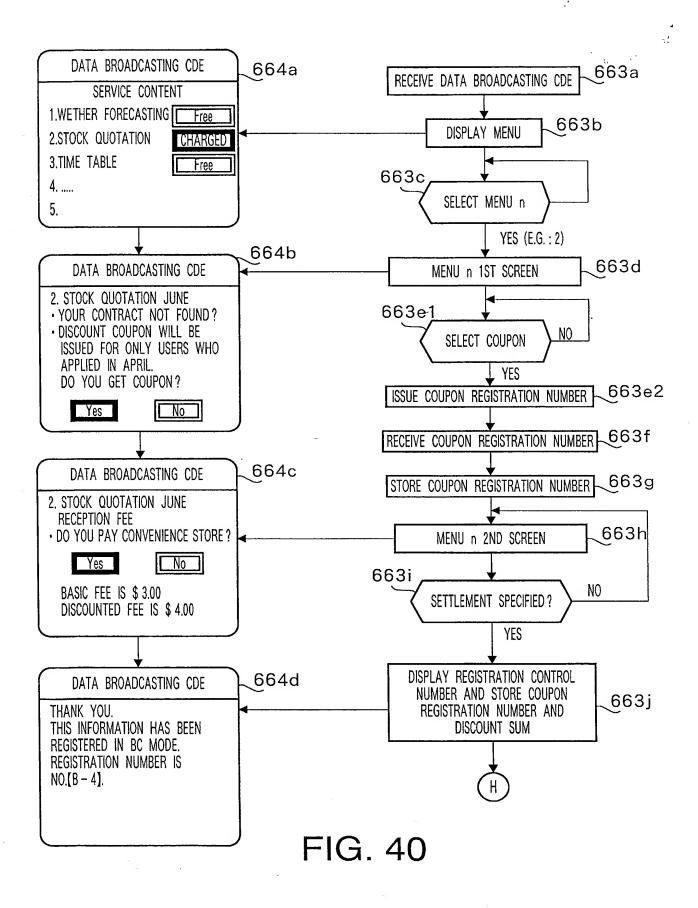


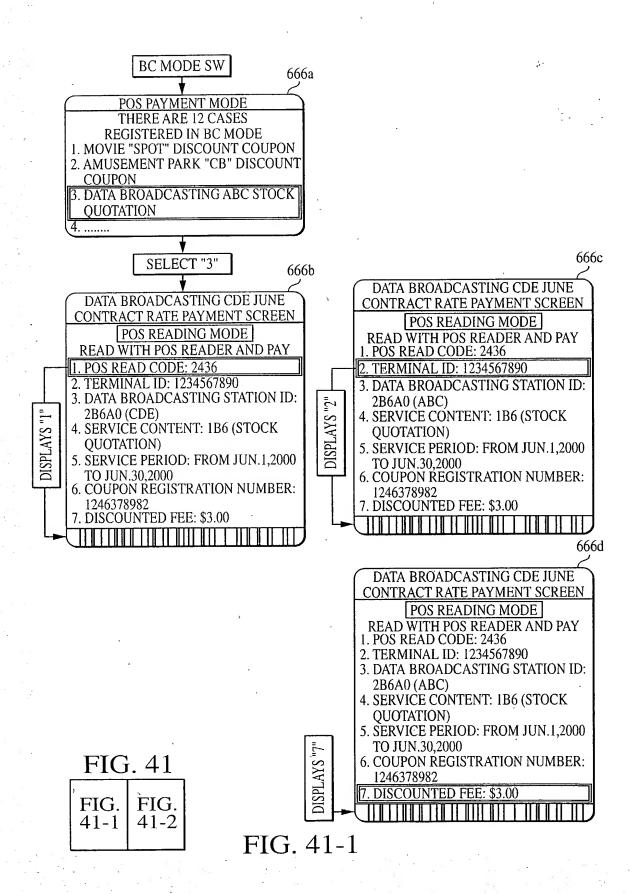
FIG. 36











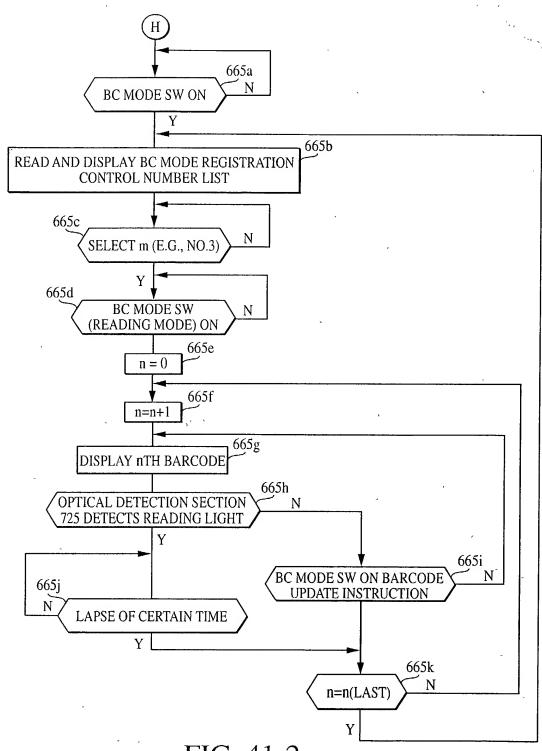
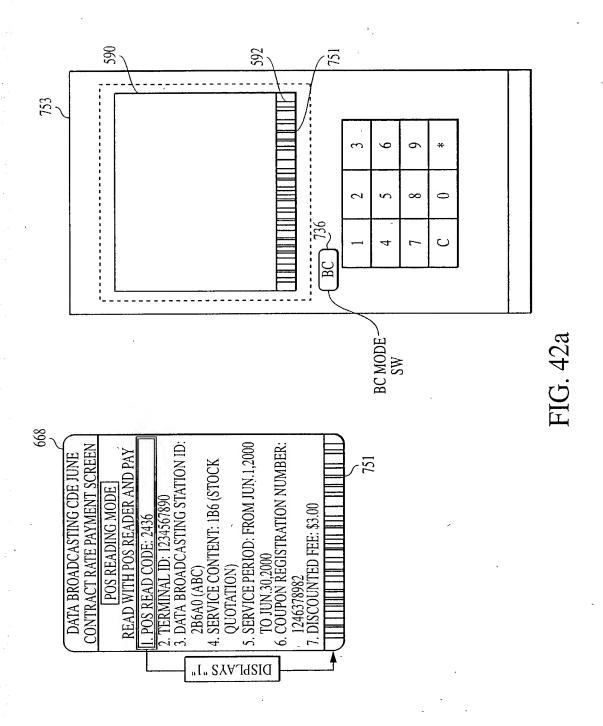


FIG. 41-2



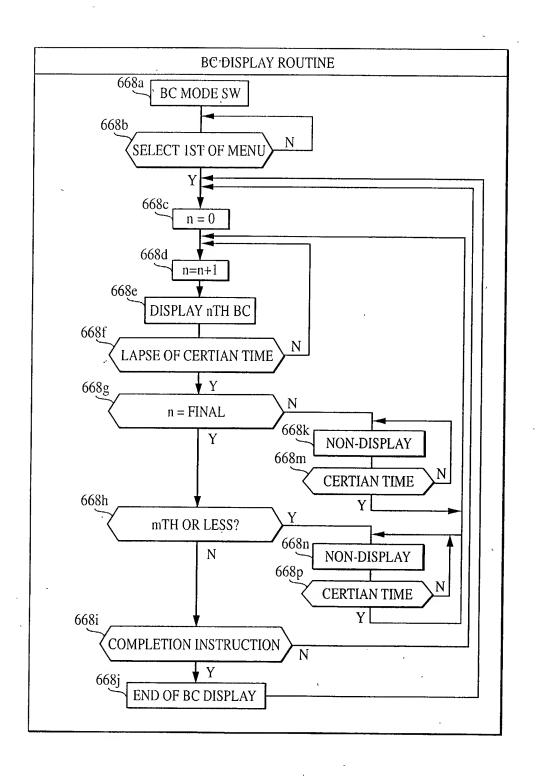
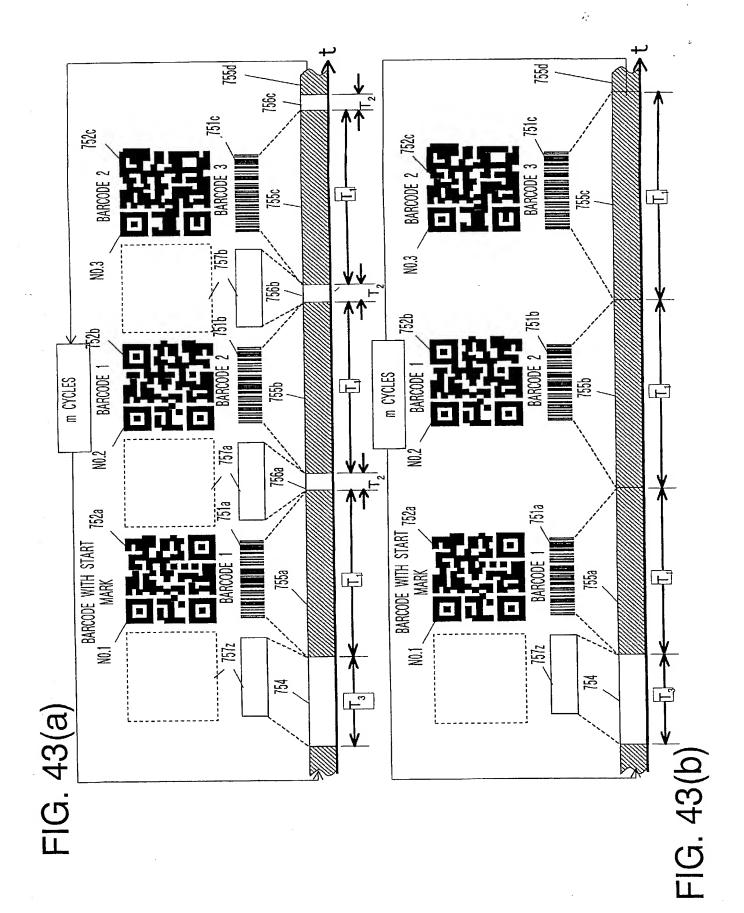
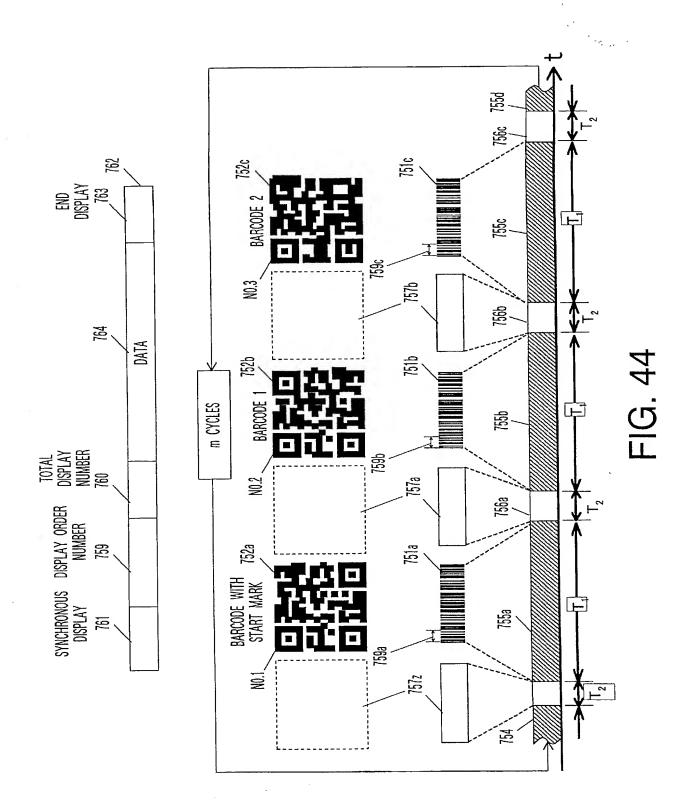
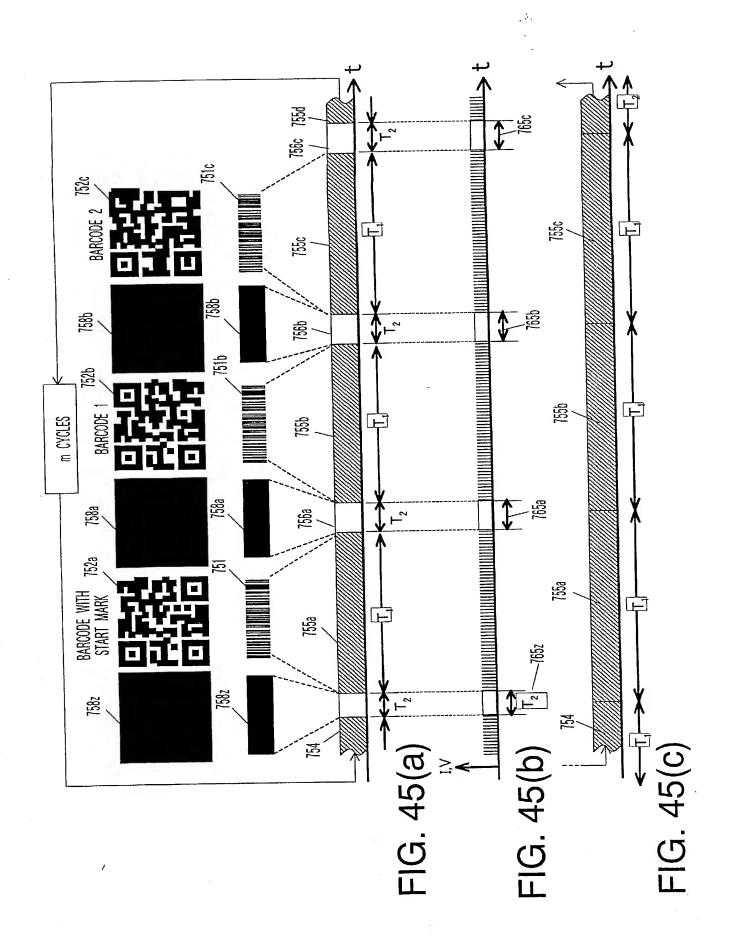


FIG. 42b







DATA STRUCTURE OF ELECTRONIC MONEY

SERVICE SERVICE BALANCE CELLULAR PHONE SIGNATURE DATA ID COMPANY ID COMPANY ID OR USER ID
---

## FIG. 46(a)

DATA STRUCTURE OF ELECTRONIC MONEY DISPLAYED WITH BARCODE

SERVICE SERVICE ID COMPANY ID	BALANCE	CELLULAR PHONE SIGN. ID OR USER ID	SIGNATURE DATA	TIME
-------------------------------	---------	------------------------------------	----------------	------

SMART CARD ENCRYPTION USING ENCRYPTION KEY (DECRYPTED ON POS TERMINAL SIDE)

## FIG. 46(b)

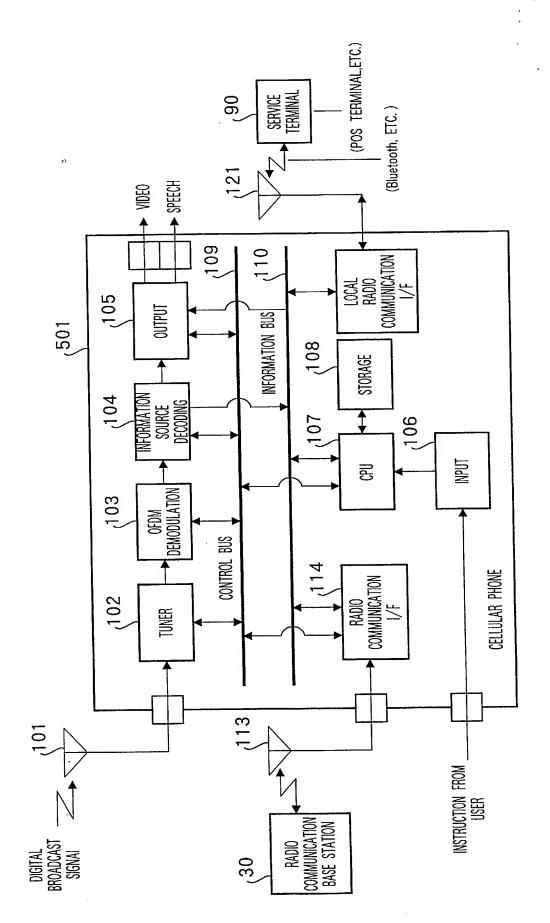
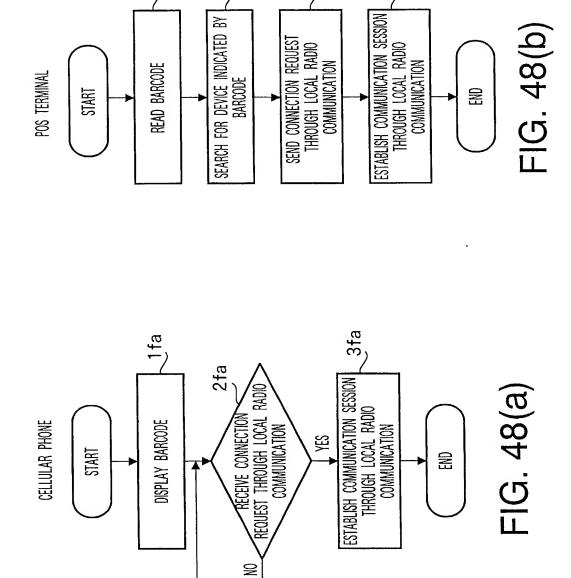


FIG. 47

FIG. 48(b)

暠

ų٢



2fb

SEARCH FOR DEVICE INDICATED BY BARCODE

READ BARCODE

POS TERMINAL

START

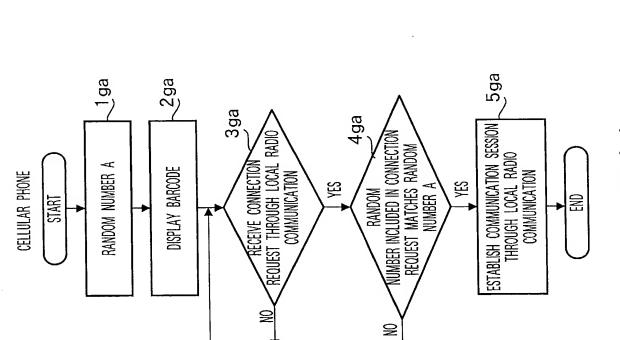
3fb

SEND CONNECTION REQUEST THROUGH LOCAL RADIO COMMUNICATION

4fb

FIG. 49(b)

絽



3ap

SEND CONNECTION REQUEST THROUGH LOCAL RADIO

COMMUNICATION

1gb

READ BARCODE

POS TERMINAL

START

2gb

SEARCH FOR DEVICE INDICATED BY BARCODE 4gb

ESTABLISH COMMUNICATION SESSION THROUGH LOCAL RADIO COMMUNICATION

FIG. 49(a)

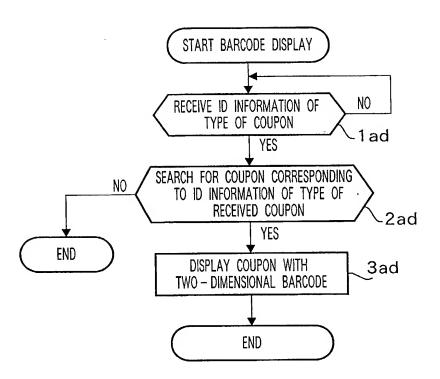


FIG. 50

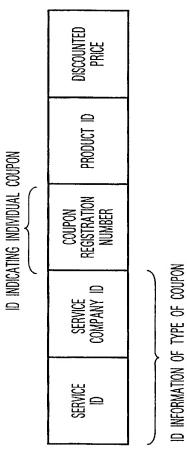


FIG. 51